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transmission, at least two of the networks being dissimilar, <u>autonomous, parallel, and connected to both the first device and one of the remote devices,</u> the router comprising:

a first interface for connecting to <u>one network or</u> the plurality of parallel dissimilar networks;

a second interface for connecting to [the second] <u>a remote</u> device; [and]

a monitoring system that [is capable of monitoring] <u>monitors</u> the status of the plurality of <u>parallel</u> dissimilar networks <u>connected to the remote device, the plurality of parallel dissimilar networks being available for data transmission; and</u>

<u>a selector that selects at least one available network from the plurality of parallel dissimilar networks for transporting data between the first device and the remote device when a single transmission is initiated,</u>

<u>wherein the transmission can occur over the plurality of parallel dissimilar networks when a single transmission is initiated.</u>

4. 48. (Amended) The router of claim 4̶7̶, in which the switch [is capable of switching] <u>switches</u> networks immediately after transporting a first data packet and before transporting a subsequent consecutive data packet.

5. 49. (Amended) The router of claim 4̶7̶, in which the selector [is capable of determining] <u>determines</u> a next network from the plurality of networks in accordance with the network selection criteria when the monitoring system determines that the selected network is unavailable.

6. 50. (Amended) The router of claim 4̶9̶, in which the switch [is capable of switching] <u>switches</u> to the next network when the monitoring system determines that the selected network is unavailable.

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18. 62. (Amended) A method of dynamically routing data in a system comprising [between] a first device and a plurality of remote devices, the first device being connected to [second device over] a plurality of [parallel] wireless networks so that the plurality of wireless networks can be monitored during a transmission that includes transmitting and receiving, each of the remote devices being connected to one wireless network or the plurality of wireless networks so that the plurality of networks can be monitored during the transmission[, at least two of the networks being dissimilar], the method comprising:

routing the data between the first device and at least one of the remote devices through at least one of the plurality of wireless [dissimilar] networks, at least two of the networks being dissimilar, autonomous, parallel, connected to both the first device and the remote device, and available for data transmission,

wherein the transmission can occur over the plurality of parallel dissimilar networks when a single transmission is initiated.

19. 80. (Amended) A method of dynamically routing data in a system comprising [between] a first device and a [second device] plurality of remote devices, the first device being connected to a plurality of parallel wireless communications links so that the plurality of communications links can be monitored during a transmission, each of the remote devices being connected to one communications link or the plurality of parallel wireless communications links so that the plurality of communications links can be monitored during the transmission [over a plurality of parallel wireless networks, at least two of the networks being dissimilar], the method comprising:

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maintaining active communications links between the first device and at least one of the remote devices, at least two of the communications links being autonomous, dissimilar, connected to both the first device and the remote device, and available for data transmission:

monitoring the status of the [at least two dissimilar networks] plurality of parallel dissimilar wireless communications links:

transmitting over available communications links as needed; and

receiving over available communications links as needed.

98. 9. (Amended) A system for end-to-end data communications where data is transported between a local device and a plurality of remote devices [device] using at least one of a plurality of parallel wireless networks, at least two of the networks being dissimilar, autonomous, and connected to both the local device and each of the remote devices so that the plurality of networks can be monitored during a transmission, which includes transmitting and receiving, the system comprising:

a plurality of network interfaces, each network interface interfacing the local device with one of the networks, the network interface comprising a local device protocol-appropriate communications controller connected to the local device; and

a router that interfaces at least one of the plurality of dissimilar parallel wireless networks to the plurality of remote [device] devices, the router comprising a monitoring system that [is capable of monitoring] monitors the status of the plurality of dissimilar networks,

wherein the transmission can occur over the plurality of parallel dissimilar networks when a single transmission is initiated, and

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wherein the transmission occurs while the system switches from a first one of the plurality of parallel dissimilar networks to a second one of the plurality of parallel dissimilar networks and while the system switches back to the first one of the plurality of parallel dissimilar networks.

99. (Amended) The system of claim 98, in which at least two of the wireless networks simultaneously actively connect the network interfaces and the router so that data can be transmitted.

105. (Amended) The system of claim 104, in which the switch [is capable of switching] switches networks immediately after transporting a first data packet and before transporting a subsequent consecutive data packet.

106. (Amended) The system of claim 104, in which the selector [is capable of determining] determines a next network from the plurality of networks in accordance with the network selection criteria when the selected network becomes unavailable.

107. (Amended) The system of claim 106, in which the switch [is capable of switching] switches to the next network when the selected network becomes unavailable.

116. (Amended) The system of claim 100, wherein the mobile data controller is [capable of being] connected to a plurality of different types of remote devices having distinct operational characteristics.

REMARKS

Initially, Applicants would like to express their appreciation to the Examiner for conducting a personal interview at the U.S. Patent and Trademark Office with Applicants and their representatives on September 22, 1999. In accordance with the discussions during the interview, the present Amendment is being submitted. With the present Amendment, Applicant's have amended